

Title (en)

A NETWORK NODE AND METHOD FOR ENABLING INTERFERENCE ALIGNMENT OF TRANSMISSIONS TO USER EQUIPMENTS

Title (de)

NETZWERKKNOTEN UND VERFAHREN ZUR ERMÖGLICHUNG EINER INTERFERENZAUSRICHTUNG VON ÜBERTRAGUNGEN AN BENUTZERVORRICHTUNGEN

Title (fr)

NOEUD DE RÉSEAU ET PROCÉDÉ POUR PERMETTRE L'ALIGNEMENT DES INTERFÉRENCES DE TRANSMISSIONS VERS DES ÉQUIPEMENTS UTILISATEUR

Publication

EP 3085183 A1 20161026 (EN)

Application

EP 13814515 A 20131218

Priority

EP 2013077149 W 20131218

Abstract (en)

[origin: WO2015090382A1] A method performed by a network node (101) for enabling Interference Alignment, IA, of transmissions to user equipments (121-126) is provided. The network node (101) and the user equipments (121-126) are configured to be in a wireless telecommunications network (100). The network node receives signal strength values associated with more than one network node (101-107) for the user equipments (121-126), wherein each signal strength value is associated with one network node. Then, the network node schedules a first group (131) of the user equipments (121-126) on radio transmission resources that are orthogonal to radio transmission resources of at least one other group of the user equipments (121-126) when an IA gain value for each user equipment in the first group (131) passes a threshold level. The IA gain value is determined by the network node based on the received signal strength values. The network node may then enable IA of transmissions to the scheduled first group (131) of user equipments from at least two network nodes (101-103) capable of performing IA of transmissions. A network node (101) for enabling IA of transmissions to user equipments (121- 26) is also provided.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015090382A1

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